


UNIVERSITY OF CALIFORNIA
MUSEUM OF VERTEBRATE ZOOLOGY

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Chattin, J.

1940 - 1941

Southern Calif. Counties, & Ariz.

1941, To July

Bay region.

Chattin J.
1940

Files 5/22/42

Catalogue

Ludlow, 1712 ft., San Bernardino Co., Calif.

Dec. 21

875	♀	<i>Dipodomys deserti</i>	318 - 190 - 51 - 17; 95 gm.
876	♂	"	311 - 185 - 51 - 16; 78.1 gm.
877	♂	<i>Dipodomys merriami</i>	230 - 138 - 38 - 12; 37.9 gm.
878	♀	"	(218) - (115) - 36 - 13; 36.5 gm.

25 mi. S Needles, 475 ft., San Bernardino Co., Calif.

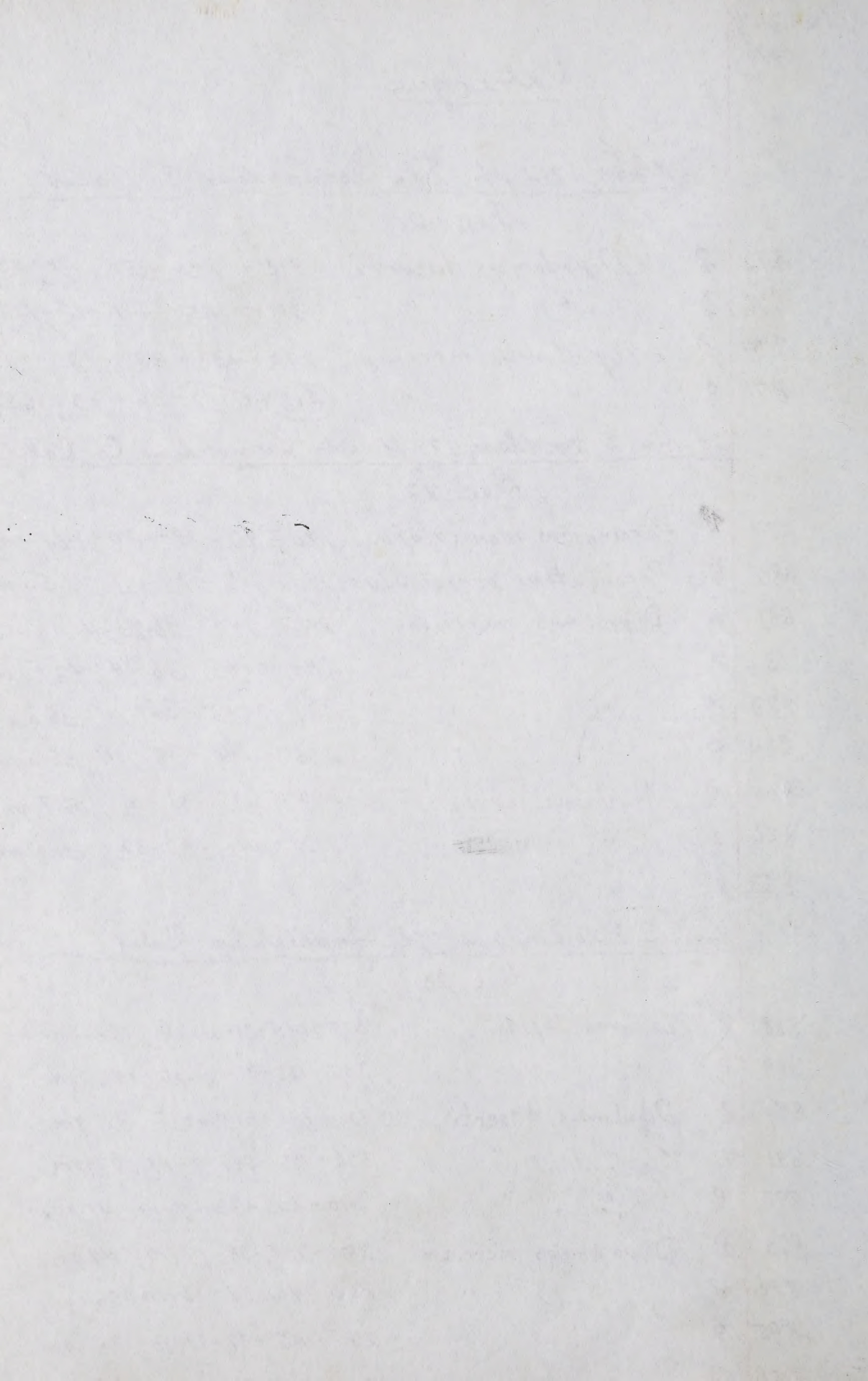
Dec. 22

879	♂	<i>Peromyscus maniculatus</i>	170 - 96 - 19 - 20; 14.1 gm.
880	♀	<i>Perognathus penicillatus</i>	195 - 115 - 24 - 11; 17.5 gm.
881	♂	<i>Dipodomys merriami</i>	242 - 145 - 38 - 13; 41.0 gm.
882	♂	"	251 - 145 - 38 - 14; 42.1 gm.
883	♂	"	234 - 135 - 36 - 14; 36 gm.
884	♀	"	235 - 140 - 35 - 14; 35.5 gm.
885	♂	<i>Neotoma lepida</i>	262 ⁺ - 115 ⁺ - 33 - 31; 116.7 gm.
886	♂	"	312 - 140 - 32 - 32; 131.5 gm.
887	♀	"	

4 mi. S Palo Verde, 275 ft., Imperial Co., Calif.

Dec. 23

888	♂	<i>Neotoma lepida</i>	325 - 145 - 31 - 33.26; 182.5 gm.
889	♂	"	305 - 135 - 31 - 30 - 25; 158.5 gm.
890	♀	<i>Dipodomys deserti</i>	320 - 180 - 51 - 16 - 12; 91 gm.
891	♀	"	328 - 185 - 54 - 17 - 14; 93.9 gm.
892	♀	"	340 - 205 - 53 - 17 - 14; 91.1 gm.
893	♂	<i>Dipodomys merriami</i>	250 - 148 - 39 - 14 - 10; 44 gm.
894	♂	"	250 - 145 - 38 - 13 - 10; 36.1 gm.
895	♀	"	245 - 145 - 37 - 13 - 10; 35.2 gm.
896	♂	"	255 - 155 - 39 - 14 - 10; 42 gm.



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Catalogue

7 mi. NE Fort Yuma, 200 ft., Imperial Co. Calif.

Dec. 24

897	♂	<i>Reithrodontomys megalotis</i>	125-70-18-15-10; 9.2 gm
898	♂	" "	128-71-17-14-11; 10 gm
899	♂	" "	138-75-17-15-13; 10.4 gm.
900	♀	<i>Perognathus penicillatus</i>	174-97-23-9-6; 20.5 gm.
901	♂	<i>Sigmodon hispidus</i>	244-110-33-19-17; 82.2 gm.
902	♂	" "	205-91-29-18-15; 60 gm.
903	♀	" "	180-86-28-18-14; 40 gm.

Dec. 25

904	♂	<i>Sigmodon hispidus</i>	274-120-32-21-15; 131 gm.
905	♂	" "	210-96-30-18-14; 61.2 gm.
906	♀	" "	215-94-32-19-15; 64.4 gm.
907	♂	" "	214-95-31-19-15; 58.5 gm.
908	♀	" "	211-93-29-20-15; 56.8 gm.
909	♀	<i>Reithrodontomys megalotis</i>	148-76-17-15-11; 14.5 gm.
910	♂	<i>Thomomys bottae</i>	220-75-32-7; 111.3 gm.
911	♀	<i>Sigmodon hispidus</i>	

Skull only

3 mi. N Potholes, 250 ft., Imperial Co., Calif.

912	♀	<i>Macrotus californicus</i>	92-32-12-34-tc 14; 12.7 gm.
913	♂	" "	92-40-13-34-tc 13; 12.5 gm.
914	♂	" "	94-34-12-34-tc 14; 13.1 gm.
915	♂	" "	91-35-12-34-tc 13; 13.2 gm.
916	♂	" "	88-38-12-34-tc 12; 12.6 gm.
917	♀	" "	89-31-11-35-tc 14; 13.8 gm.
918	♂	" "	91-34-12-35-tc 13; 13.5 gm.
919	♂	" "	94-33-12-34-tc 14; 13.6 gm.
920	♀	" "	92-35-12-35-tc 14; 14 gm.

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3 mi. N Potholes, 250 ft., Imperial Co. Calif.

Dec. 25

- 921 ♀ Microtus californicus 94-34-12-34-tr 13; 13.2 gm.
922 ♀ " " 91-32-12-33-tr 13; 11.5 gm.

7 mi. NE Fort Yuma, 200 ft., Imperial Co. Calif.

Dec. 26

- 923 ♀ Sigmodon hispidus 245-109-30-19-16; 98.5 gm.
924 ♂ " " 212-87-28-18-14; 53.5 gm.
925 ♂ Mus musculus 165-81-18-14-11; 19.0 gm.

3 mi. N Potholes, 250 ft., Imperial Co. Calif.

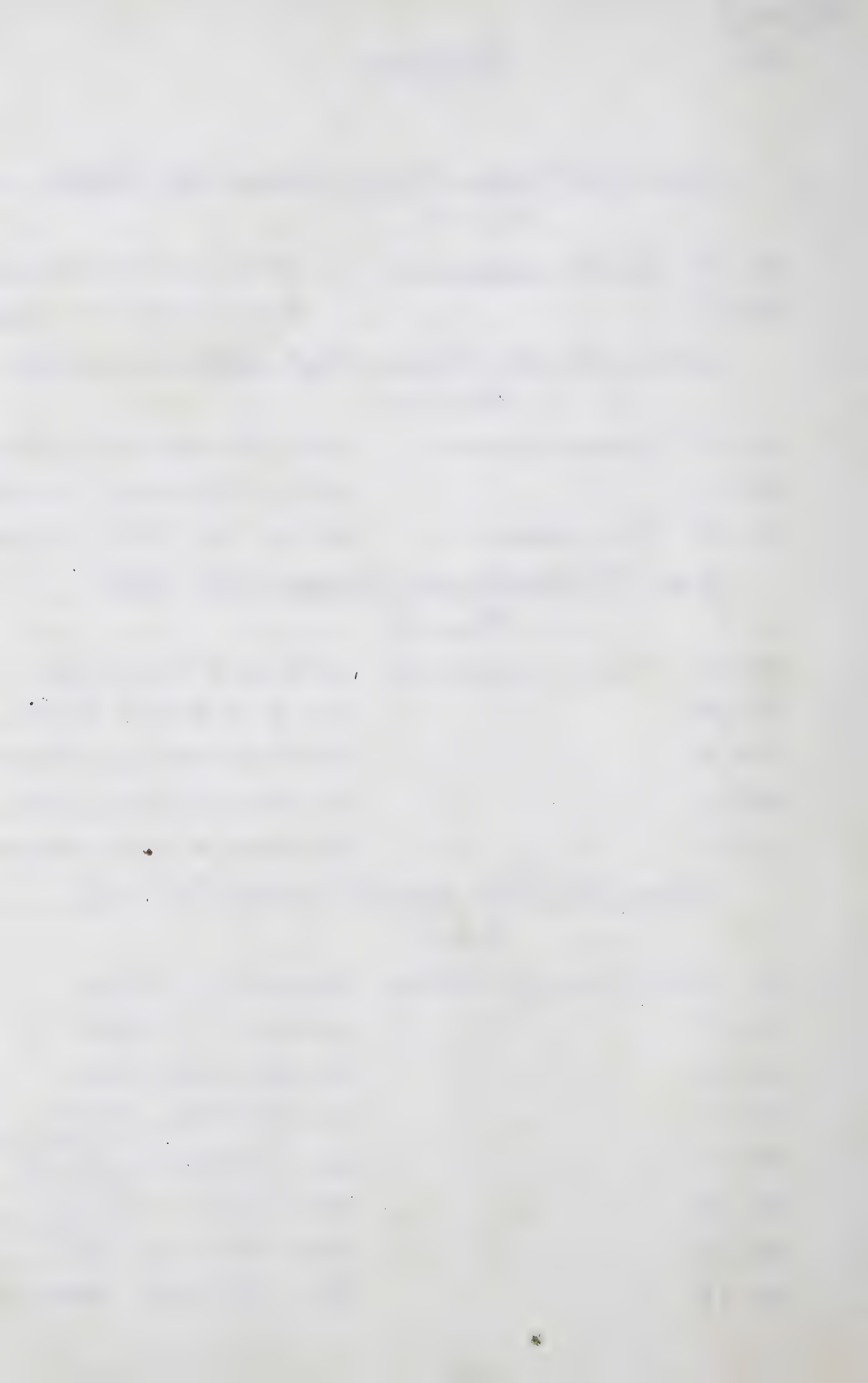
Dec. 25

- 926 ♂ Microtus californicus 85-31-12-34-tr 14; 14.3 gm.
927 ♂ " " 93-32-12-34-tr 13; 14.7 gm.
928 ♂ " " 90-34-12-33-tr 13; 14.5 gm.
929 ♀ " " 90-29-12-34-tr 13; 11.8 gm.
930 ♀ " " 98-38-12-34-tr 14; 14.4 gm.

1 1/2 mi. NW Bard, 200 ft., Imperial Co. Calif.

Dec. 26

- 931 ♀^(no emb) Thomomys bottae 198-64-30-5; 100 gm.
932 ♀ " " 202-70-31-5; 105 gm.
933 ♂ " " 259-78-34-6; 195 gm.
934 ♂ " " 250-85-34-6; 182 gm.
935 ♀ " " 240-78-34-6; 142.5 gm. ^{3 x 8 mm. emb. s.}
936 ♀ " " 225-70-32-5; 160 gm. ^{4 x 15 mm. emb. s.}
937 ♀ " " 250-84-33-6; 180 gm. ^{4 x 5 mm. emb. s.}
938 ♀ " " 222-79-34-6; 108 gm.



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3 mi. N Potholes, 250 ft., Imperial Co., Calif.

Dec. 27

940	♂	<i>Macrotus californicus</i>	95-37-12-34-tr 14; 12.6 gm.
941	♂	" "	87-34-12-34-tr 14; 12.5 gm.
942	♂	" "	88-30-14-34-tr 15; 14.2 gm.
943	♀	" "	85-33-12-34-tr 14; 12.7 gm.

7 mi. NE Port Yuma, 200 ft., Imperial Co., Calif.

944	♂	<i>Reithrodontomys megalotis</i>	145-78-17-15-11; 10 gm.
945	♀	<i>Sigmodon hispidus</i>	210-90-30-19-16; 57 gm.
946	♀	" "	225-92-31-20-16; 73.5 gm.
947	♀	" "	225-98-31-19-14; 79 gm.
948	♀	" "	208-90-30-19-15; 50 gm.
949	♂	" "	235-105-32-20-15; 88 gm.

1 1/2 mi. NW Bard, 200 ft., Imperial Co., Calif.

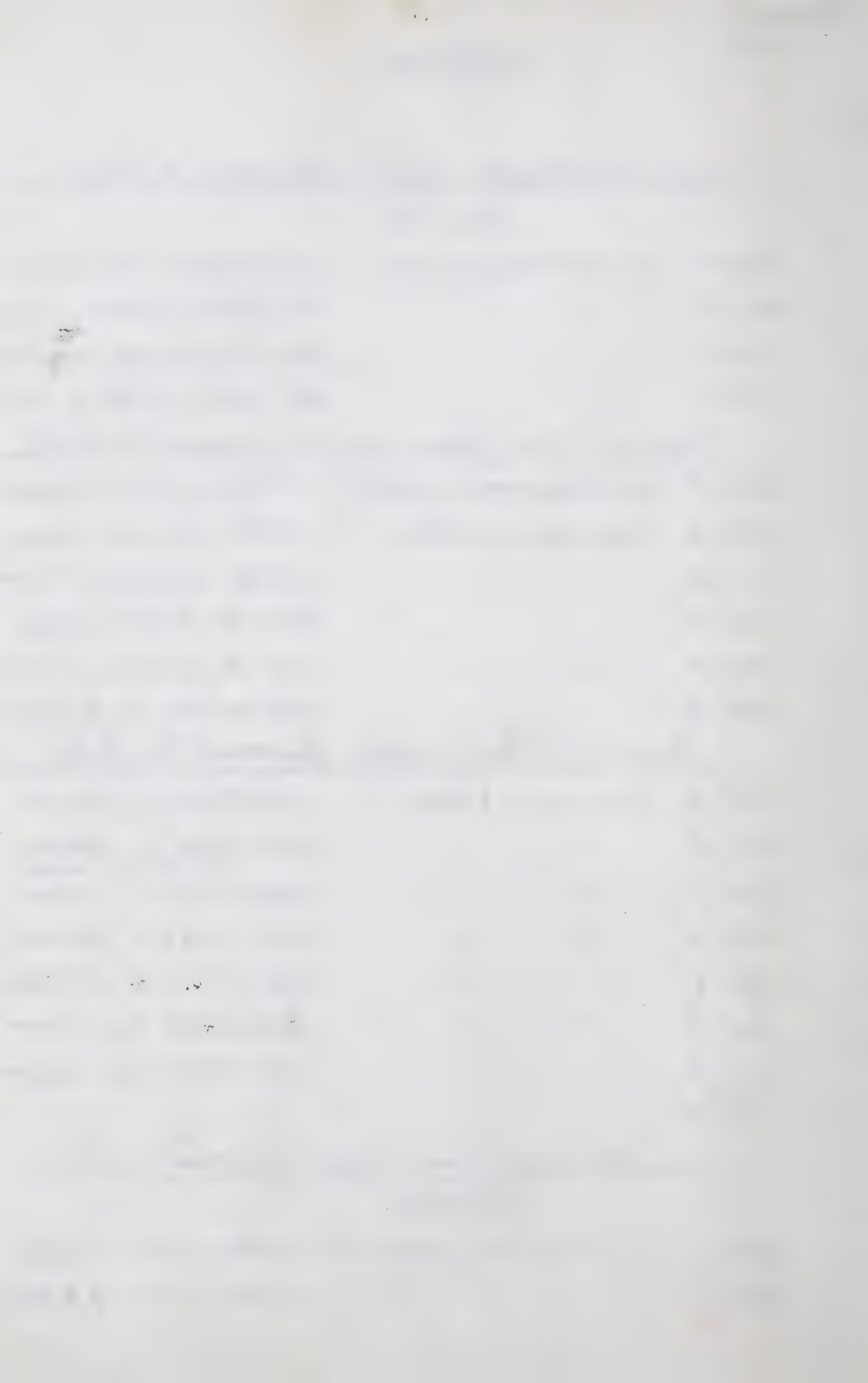
950	♂	<i>Thomomys bottae</i>	264-90-35-7; 210 gm.
951	♂	" "	235-73-35-7; 190 gm. 4 x 20 mm. emb.
952	♀	" "	222-65-31-5; 155 gm.
953	♀	" "	235-70-32-6; 150 gm.
954	♀	" "	235-75-32-5; 159 gm.
956	♀	" "	225-70-33-6; 136 gm.
957	♀	" "	232-75-32-6; 166 gm.
958	♀	" "	

Skull only

7 mi. NE Port Yuma, 200 ft., Imperial Co., Calif.

Dec. 28

959	♂	<i>Reithrodontomys megalotis</i>	140-70-16-14-11; 9.8 gm.
960	♂	" "	130-70-17-14-10; 9.5 gm.



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2 mi. NW Potholes 250 ft., Imperial Co., Calif.
Dec. 28

961	♂	Peromyscus	180-105-19-20-17; 11.3 gm.
962	♂	"	175-100-20-19-16; 12.7 gm.
963	♀	"	173-100-18-19-17; 12 gm.
964	♀	"	175-100-20-19-17; 12.5 gm.
965	♂	Neotoma lepida	275-126-30-28-20; 122 gm.

~~966~~ 1 mi. N Bard, 200 ft., Imperial Co. Calif.

966	♂	Thomomys bottae	260-85-32-5; 210 gm.
967	♂	" "	270-82-36-7; 223.5 gm.
968	♂	" "	230-74-30-6; 158 gm.
969	♀	" "	210-68-30-6; 135 gm.
970	♀	" "	220-62-30-6; 155.5 gm.

7 mi. NE Port Yuma, 200 ft., Imperial Co., Calif.

Dec. 29

971	♂	Perognathus penicillatus	165-85-23-9-6; 18.3 gm.
972	♀	" "	195-115-25-9-6; 18.7 gm.

~~973~~ 2 1/2 mi. NE Port Yuma, 200 ft., Imperial Co., Calif.

973	♀	Ondatra zibethica	455-195-66-20-17; 701 gm.
974	♀	" "	465-200-69-20-17; 760 gm.

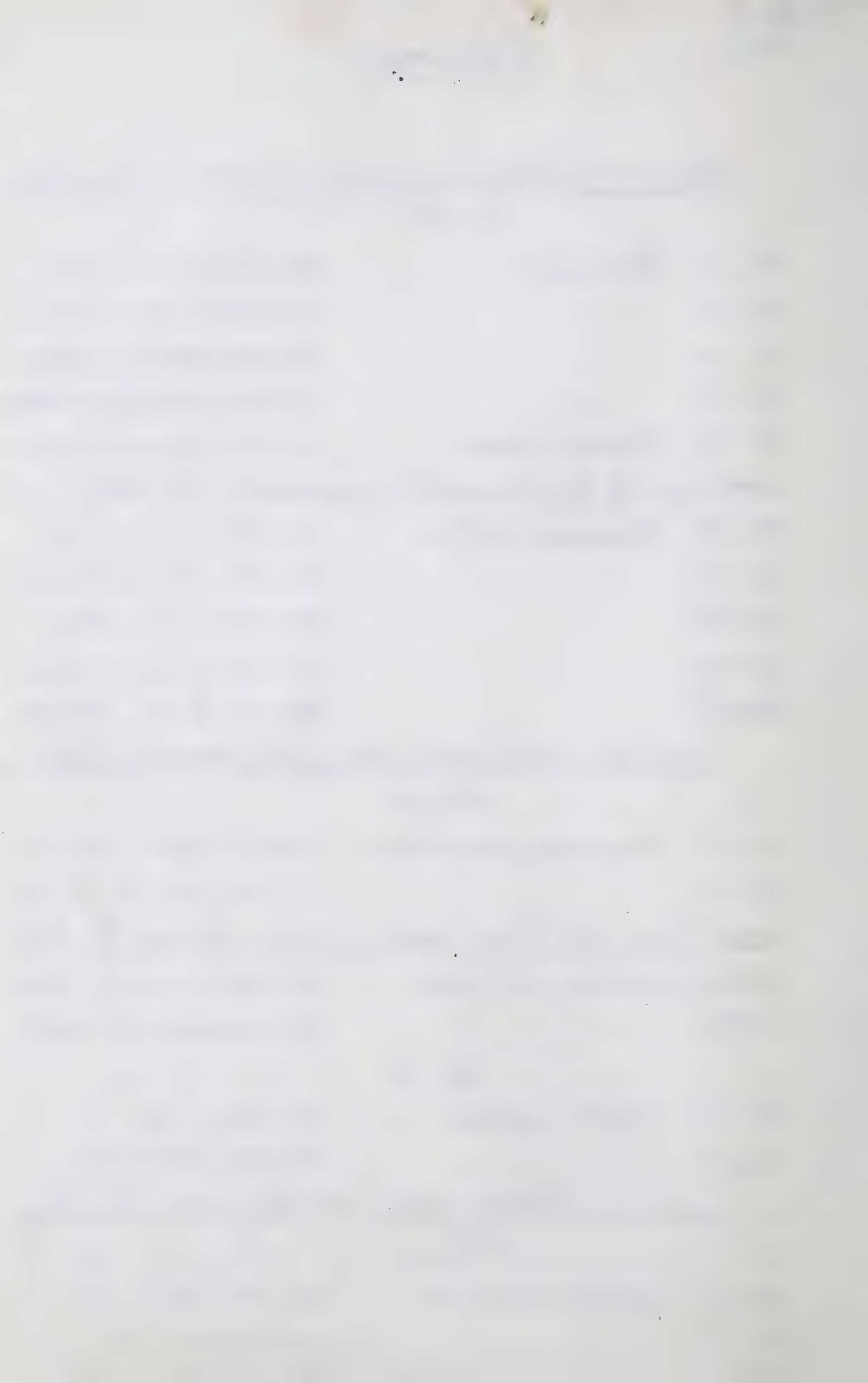
Dec. 30

975	♂	Ondatra zibethica	435-180-67-18-14
976	♂	" "	440-170-70-20-15

10 mi. SE Fortuna Mine, 300 ft., Yuma Co., Ariz.

Dec. 31

977	♀	Dipodomys merriami	233-135-35-15-10.
978	♂	" "	230-130-36-13-10
979	♂	" deserti	350-20-55-19-13



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10 mi. SE Fortuna Mine, 300 ft., Yuma Co., Ariz.

Dec 31

980 ♂ *Peromyscus* 185-103-20-20-18

16 mi. SE Fortuna Mine, 300 ft., Yuma Co., Ariz.

1941

Jan 1

981 ♂ *Peromyscus crinitus* 178-94-19-20-17; 11.1 gm.

982 ♀ " 193-100-20-20-18; 20.5 gm

983 ♂ " 206-105-20-20-17; 17.5 gm.

984 ♂ *Dipodomys merriami* 240-135-35-15-11; 38 gm.

985 ♂ " " 243-144-36-15-11; 38 gm.

986 ♂ " " 230-125-36-16-11; 37.5 gm.

987 ♂ " " 244-143-37-15-12; 43 gm.

988 ♂ " " 230-132-37-14-10; 36 gm.

989 ♀ *Dipodomys deserti* 350-210-53-19-14; 91 gm.

990 ♂ " " 327-190-55-19-14; 94.5 gm

991 ♀ " " 321-186-52-19-15; 95 gm.

992 ♂ " " 325-190-55-18-14; 105 gm.

993 ♀ " " 328-185-53-19-15; 90 gm.

Jan 2

994 ♀ *Peromyscus crinitus* 187-110-20-20-18; 13.5 gm.

995 ♀ " ? 190-102-18-20-17; 16 gm.

996 ♀ " 180-98-19-20-18; 19.4 gm.

997 ♂ " 192-108-20-20-18; 19.5 gm.

998 ♂ *Dipodomys merriami* 256-150-38-15-11; 42.5 gm.

999 ♂ " " 235-135-36-15-11; 39 gm.

1000 ♀ " " 233-140-37-14-10; 39 gm.

1001 ♀ " " 235-145-37-14-10; 37 gm.

1002 ♀ " *deserti* 322-190-52-16-12; 95 gm.

Chatter J.
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Catalogue

16 mi. SE Fortuna Mine, 300 ft., Yuma Co., Ariz.

1003	♀	<i>Dipodomys deserti</i>	345-205-55-16-13; 98 gm.
1004	♀	"	325-190-50-15-14; 97 gm.
1005	♀	"	334-195-55-17-15; 101 gm.
1006	♂	"	345-200-54-17-14; 115 gm.
1007	♂	"	360-210-55-17-14; 119.5 gm.

Jan 3.

1008	♂	<i>Thomomys bottae</i>	209-75-28-6; 99 gm.
1009	♂	<i>Dipodomys deserti</i>	355-205-55-18-15; 125 gm.

Fortuna Mine, 700 ft., Yuma Co., Ariz.

1010	♂	<i>Microtus californicus</i>	98-37-12-34-tr 13; 12.6 gm.
1011	♀	"	100-38-13-34-tr 12; 12.2 gm.
1012	♀	"	93-37-12-35-tr 12; 12.3 gm.
1013	♀	"	97-37-12-35-tr 13; 13 gm.
1014	♀	"	89-33-12-33-tr 12; 12.3 gm.

4 mi. S Gadsden, 120 ft., Yuma Co., Ariz.

Jan. 5

1015	♂	<i>Peromyscus</i>	185-105-20-20-16; 21.4 gm.
1016	♂	"	180-95-20-19-12; 23 gm.
1017	♂	"	170-92-20-18-15; 19 gm.
1018	♂	"	180-97-21-20-17; 22 gm.
1019	♂	"	177-95-20-20-17; 20.1 gm.
1020	♂	<i>Reithrodontomys megalotis</i>	130-72-17-14-10; 7.2 gm.
1021	♂	"	130-75-15-15-11; 8.1 gm.
1022	♂	<i>Dipodomys deserti</i>	355-195-56-20-15; 115 gm.
1023	♀	"	330-190-53-18-15; 105 gm.
1024	♂	<i>Neotoma albigula</i>	375-175-36-32-28; 256 gm.
1025	♂	"	362-175-36-31-24; 262 gm.

Chatten, J.
1941

Catalogue

4 mi. S Gadsden, 120 ft., Yuma Co., Ariz.

Jan 5 (cont'd)

1026	♀	<i>Neotoma albigula</i>	355-165-35-30-28; 213 gm.
1027	♀	" "	355-170-37-30-28; 221 gm.
1028	♀	<i>Sigmodon hispidus</i>	225-105-30-18-15; 70 gm.
1029	♀	" "	230-95-32-20-15; 74.5 gm.
1030	♀	" "	232-100-32-18-15; 69.7 gm.
1031	♀	" "	210-93-32-19-15; 65.3 gm.
alcoholic 1032	♂	<i>Onychomys torridus</i>	152-58-20-19-15; —

Jan. 6

1033	♂	<i>Reithrodontomys megalotis</i>	102-55-16-14-10; 6.5 gm.
1034	♂	<i>Onychomys torridus</i>	140-50-22-19-16; 23.4 gm.
1035	♂	<i>Peromyscus maniculatus</i>	185-105-20-19-17; 24 gm.
1036	♀	" "	175-97-20-20-16; 20.3 gm.
1037	♂	" "	175-95-20-19-16; 21 gm.
1038	♂	" "	180-100-21-19-17; 22.6 gm.
1039	♂	" "	185-100-20-19-16; 21.5 gm.
1040	♂	" "	165-75-20-17-15; 27.5 gm.
1041	♀	" "	180-96-20-20-16; 20.1 gm.
1042	♀	<i>Dipodomys deserti</i>	330-200-54-17-14; 85.2 gm.
1043	♀	" "	315-185-53-16-13; 85 gm.
1044	♀	<i>Sigmodon hispidus</i>	250-107-31-20-15; 83 gm.
1045	♀	<i>Perognathus penicillatus</i>	179-103-24-9-5; 18 gm.

Jan 7.

1046	♂	<i>Reithrodontomys</i>	129-70-17-14-10; 9 gm.
1047	♂	<i>Perognathus penicillatus</i>	182-102-24-9-5; 15 gm.
1048	♀	" "	181-102-24-9-5; 17 gm.
1049	♀	" "	153-84-24-8-5; 15.5 gm.

Chattin, J.
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Catalogue

4 mi. S Gadsden, 120 ft., Yuma Co., Ariz.

Jan 7 (cont'd)

1050	♂	<i>Neotoma albigula</i>	391-180-35-31-26; 265 gm.
1051	♂	" "	396-185-36-33-28; 252 gm.
1052	♂	<i>Thomomys bottae</i>	260-85-34-6; 230 gm.
1053	♀	" "	220-70-30-5; 130 gm.
1054	♀	" "	215-60-32-6; 153 gm.
1055	♀	" "	215-72-30-6; 105 gm.
1056	♂	<i>Ondatra zibethica</i>	480-190-70-19-13, -

Jan. 9

1057	♀	<i>Thomomys bottae</i>	200-65-28-6; 120 gm.
1058	♀	" "	205-75-29-6; 110 gm.
1059	♀	<i>Dipodomys deserti</i>	330-170-53-15-14; 90 gm.
1060	♂	" "	340-185-53-18-14; 130 gm.
1061	♂	" "	335-195-52-16-14; 105 gm.
1062	♀	<i>Neotoma albigula</i>	375-185-36-30-28; 240 gm.
1063	♂	<i>Ondatra zibethica</i>	490-205-74-20-15

Jan 10

1064	♂	<i>Ondatra zibethica</i>	430-180-67-18-15
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5 mi. NW Borrego P.O., 700 ft., San Diego Co., Calif.

Jan. 11

1065	♂	<i>Dipodomys merriami</i>	235-130-37-14-10; 40 gm.
1066	♂	" "	250-135-39-14-11; 47 gm.
1067	♀	" "	235-130-37-13-10; 38 gm.
1068	♀	" "	215 ⁺ -120 ⁺ -37-13-10; 34 gm.
1069	♀	" "	233-130-37-14-11; 30 gm.
1070	♀	" "	240-145-37-14-10; 36.5 gm.

Chattin, J
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Catalogue

5 mi. NW Borrego P. O., 700 ft. San Diego Co., Calif.

Jan 12.

1071	♀	<i>Peromyscus</i>	175-103-20-18-16; 19.5 gm.
1072	♂	<i>Thomomys bottae</i>	210-70-31-6; 120 gm.
1073	♂	" "	210-75-33-7; 127 gm.
1074	♀	" "	210-65-29-6; 98 gm.
1075	♀	" "	212-75-31-7; 120 gm.
1076	♂	<i>Neotoma lepida</i>	319-142-33-31-25; 159 gm.

1/2 mi. NE Borrego P. O., ^{500 ft.} San Diego Co., Calif.

Jan 13

1077	♂	<i>Peromyscus maniculatus</i>	155-66-20-17-14; 19 gm.
1078	♀	" "	145-56-20-18-15; 23 gm.
1079	♀	" "	160-78-19-19-17; 20 gm.
1080	♀	<i>Perognathus penicillatus</i>	185-102-25-8-5; 19 gm.
1081	♀	" "	180-98-24-9-5; 17 gm.
1082	♀	<i>Dipodomys merriami</i>	245-145-36-15-10; 39 gm.
1083	♂	" "	250-140-38-14-16; 44 gm.
1084	♂	<i>Neotoma albigula</i>	380-170-37-33-27; 352.1 gm.

Jan. 14

1085	♂	<i>Peromyscus maniculatus</i>	147-64-20-18-14; 20.5 gm.
1086	♀	" "	160-75-20-18-14; 23.5 gm.
1087	♀	<i>Perognathus penicillatus</i>	175-95-23-8-5; 19.5 gm.
1088	♂	" "	192-110-24-8-5; 24 gm.
1089	♀	" "	160-95-24-9-5; 15.7 gm.
1090	♂	" "	170-95-25-9-5; 21.5 gm.
1091	♂	" "	180-100-24-9-5; 20 gm.
1092	♂	" "	175-100-25-8-5; 19.5 gm.
1093	♂	" "	170-95-25-9-5; 22 gm.

Chatter J.
1941

Catalogue

1/2 mi. NE Borrego P.O. 500 ft., San Diego Co., Calif.

Jan. 14 (cont'd)

1094	♀	<i>Dipodomys merriami</i>	225-140-37-14-10; 33 gm.
1095	♀	" "	230-135-37-14-10; 32.8 gm.
1096	♀	" "	225-125-37-13-9; 37.5 gm.
1097	♀	" "	223-120-36-14-10; 35.5 gm.
1098	♀	" "	240-140-35-14-10; 37 gm.
1099	♂	" "	250-145-36-13-10; 44 gm.
1100	♂	" "	225-130-36-13-10; 39 gm.

7 mi. NE Fort Yuma, 200 ft., Imperial Co., Calif.

Dec. 26 1940

alcoholic

1101

♂ *Sigmodon hispidus* no measurements.

alcoholic

1102

♂

"

"

"

"

Chattin J.
1941

Catalogue

Hildebrand Ranch, Morgan Valley, Lake Co., Calif.

Jan.?

1103 ♂ *Myotis californicus* 69-28-4-10-tc 4; 2.2 gm.

collected by Ned Stone died in captivity Jan. 18, 1941

3 mi. SE Danville, Alameda Co., Calif.

Feb. 15

Collected by Dr. W.B. Cruz, Fruit Prod.

Dept. U of Calif. - (eyes unopened)

died in captivity Feb. 18, 1941

1104 ♂ *Thomomys*. 118-27-19; 21.6 gm.

1105 ♀ " 111-29-17; 18 gm

died { 1106 ♀ " 107-29-18; 19.0 gm.

Feb. 19 { 1107 ♀ " 107-28-18; 19.2 gm.

{ 1108 ♂ " 116-29-18; 22 gm.

Chattin, J.

1941

Field from San Diego Co. 1945 (Pres)
Imperial County California - Collected

Feb 19-20-21, 1941

3 mi. W Bards Imperial Co. Calif

094	1109.	♂	Thomomys	bottae	253-81-34-	205 grams.
095	1110.	♂	"	"	220-62-34	127.5 "
096	1111.	♂	"	"	254-77-33	213.0 "
097	1112.	♂	"	"	225-73-33	114.0 "
098	1113.	♂	"	"	222-64-30	93.0 "
099	1114.	♂	"	"	240-78-33	195.0 "
100	1115.	♂	"	"	236-79-35	147.0 "
101	1116.	♂	"	"	261-71-34	197.0 "
102	1117.	♀	"	"	210-71-32	78.0 "
103	1118.	♀	"	"	212-65-32	99.0 "
104	1119.	♀	"	"	195-50-32	86.0 "
105	1120.	♂	"	"	242-79-35	150.0 "
106	1121.	♂	"	"	245-70-34	195.0 "
107	1122.	♂	"	"	190-59-30	71.0 "
108	1123.	♂	"	"	242-70-34	193.5 "
109	1124.	♀	"	"	210-60-32	89.0 "
110	1125.	♂	"	"	237-74-34	142.0 "
111	1126.	♂	"	"	221-80-34	188.0 "
112	1127.	♂	"	"	221-70-33	114.0 "
113	1128.	♂	"	"	225-63-32	166.0 "
114	1129.	♂	"	"	216-69-33	92.0 "
115	1130.	♂	"	"	251-74-33	201.0 "
116	1131.	♂	"	"	258-75-34	190.0 "
117	1132.	♂	"	"	222-69-32	106.0 "
118	1133.	♂	"	"	238-70-33	150.0 "
119	1134.	♀	"	"	216-70-32	99.0 "

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120	1135.	♀	Thomomys	bottae	210-62-32	81.0 grams
121	1136.	♂	"	"	239-75-34	155.0 "
122	1137.	♂	"	"	256-80-34	188.0 "
123	1138.	♂	"	"	243-72-34	180.0 "
124	1139.	♂	"	"	245-74-34	195.0 "
125	1140.	♂	"	"	266-94-35	196.0 "
126	1141.	♂	"	"	267-80-35	211.0 "
127	1142.	♂	"	"	200-60-30	87.0 "
128	1143.	♀	"	"	220-58-33	120.0 "
129	1144.	♀	"	"	228-66-33	135.0 "
130	1145.	♀	"	"	215-70-31	100.0 "
131	1146.	♂	"	"	240-75-34	157.0 "
132	1147.	♂	"	"	238-76-32	159.0 "
133	1148.	♂	"	"	235-70-34	169.0 "

Rec'd from George Berry, Box 885, Bnd,
Imperial Co. Calif. March 24, 1941
1 mi. SW Bnd

188	1149	♂	Thomomys	bottae	226-72-33-; 123 gms.
189	1150	♂	"	"	220-72-32-; 138 "
190	1151	♂	"	"	210-65-33-; 80 "
191	1152	♂	"	"	236-77-33-; 127 "
192	1153	♂	"	"	250-80-33-; 191 "
193	1154	♂	"	"	245-74-36-; 153 "
194	1155	♂	"	"	251-80-35-; 170 "
195	1156	♂	"	"	218-70-32-; 110 "
196	1157	♂	"	"	221-75-33-; 105 "

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197	1158	♂	<i>Thomomys bottae</i>	240-80-34-;	134gms.
198	1159	♂	"	262-82-35-;	170 "
199	1160	♂	"	169-50-28-;	48 "
200	1161	♂	"	218-68-32-;	102 "
201	1162	♂	"	255-89-33-;	172 "
change	1163	♂	"	247-79-35-;	139 "
	1164	♂	"	213-71-31-;	86 "
202	1165	♂	"	215-68-30-;	110 "
203	1166	♂	"	186-60-30-;	56 "
204	1167	♂	"	224-67-32-;	96 "
205	1168	♂	"	236-80-33-;	114 " -
206	1169	♂	"	218-67-34-;	97 "
207	1170	♂	"	220-70-31-;	95 "
208	1171	♂	"	211-72-31-;	81 "
209	1172	♂	"	241-73-35-;	164 "
210	1173	♂	"	235-77-32-;	139 "
211	1174	♂	"	254-83-35-;	171 "
212	1175	♂	"	267-87-37-;	207 "
213	1176	♂	"	220-70-33-;	95 "
214	1177	♂	"	197-61-31-;	67 "
215	1178	♂	"	212-72-34-;	98 "
216	1179	♂	"	212-69-32-;	81 "
217	1180	♂	"	232-80-31-;	115 "
218	1181	♂	"	241-78-35-;	172 "
219	1182	♂	"	201-67-32-;	84 "
220	1183	♂	"		

2 mi. S and 1 mi. W Bard, Imperial Co.
 Rec'd Apr 31, 1941 from G. Berry - Bard
 Box 885 Imperial Co., Calif.

220	1183	♂	Thomomys bottae	237-84-34; 125 gm
221	1184	♂		205-55-34; 113 gm
222	1185	♀		195-60-30; 70 gm.
223	1186	♂		198-62-31; 66 gm.
224	1187	♂		242-77-35; 158 gm.
225	1188	♂		233-71-34; 122 gm.
226	1189	♂		230-75-33; 114 gm.
227	1190	♂		251-74-36; 179 gm.
228	1191	♂		228-71-33; 125 gm.
229	1192	♂		187-60-29; 61 gm.
230	1193	♂		210-65-32; 79 gm.
231	1194	♂		275-92-36; 218 gm.
232	1195	♂		220-73-33; 89 gm.
233	1196	♂		233-72-32; 144 gm.
234	1197	♂		215-68-32; 102 gm.
235	1198	♂		216-70-32; 109 gm.
236	1199	♂		235-85-34; 127 gm.
237	1200	♂		206-72-31; 89 gm.
238	1201	♂		225-70-32; 111 gm.
239	1202	♂		202-65-31; 88 gm.
240	1203	♂		210-61-31; 96 gm.
241	1204	♂		208-66-30; 76 gm.
242	1205	♂		230-84-34; 115 gm.
243	1206	♂		231-73-33; 124 gm.
244	1207	♂		245-95-33; 160 gm.
245	1208	♂		220-72-33; 115 gm.

246	1209	♂	<i>Thomomys bottae</i>	248 - 87 - 35 ; 145 gm.
247	1210	♂		238 - 77 - 35 ; 143 gm.
248	1211	♂		267 - 93 - 33 ; 174 gm.
249	1212	♂		210 - 72 - 32 ; 108 gm.
250	1213	♂		212 - 76 - 32 ; 93 gm.
251	1214	♂		230 - 85 - 33 ; 103 gm.
252	1215	♂		223 - 72 - 33 ; 127 gm.
253	1216	♂		(228) - (67) - 32 ; 119 gm.
254	1217	♂		205 - 69 - 31 ; 83 gm.
255	1218	♂		273 - 99 - 37 ; 168 gm.
256	1219	♂		288 - 110 - 36 ; 197 gm.
257	1220	♂		275 - 92 - 36 ; 234 gm.
258	1221	♂		260 - 84 - 35 ; 194 gm.
259	1222	♂		265 - 88 - 36 ; 197 gm.
260	1223	♂		274 - 98 - 37 ; 216 gm.
261	1224	♂		222 - 72 - 33 ; 95 gm.
262	1225	♂		260 - 85 - 35 ; 185 gm.
263	1226	♀		220 - 77 - 31 ; 108 gm.
264	1227	♀		236 - 72 - 32 ; 141 gm.
265	1228	♀		236 - 82 - 31 ; 124 gm.
266	1229	♀		223 - 73 - 30 ; 102 gm.
267	1230	♀		235 - 66 - 33 ; 151 gm.

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Catalogue

Murphy's Ranch, 3 1/2 mi. W Pt. Reyes Hill, Marin Co., Calif.

July 9

1231	♀	<i>Sorex trowbridgii</i>	119 - 53 - 14 - 8 ; 6.8 gm.
1232	♀	" "	111 - 48 - 13 - 8 ; 6 gm.
1233	♂	" "	110 - 53 - 13 - 8 ; 5.3 gm.
1234	♀	" "	106 - 47 - 13 - 8 ; 5 gm.
1235	♂	<i>Reithrodontomys megalotis</i>	130 - 67 - 17 - 14 ; 7.5 gm.
1236	♂	<i>Microtus californicus</i>	163 - 49 - 22 - 15 ; 53 gm.
1237	♂	<i>Sorex vagrans</i>	- 101 - 42 - 13 - 8 ; 4.5 gm.

July 10

1238		<i>Sorex vagrans</i>	102 - 43 - 13 - 8 ; 4.7 gm.
1239	♀	<i>Sorex trowbridgii</i>	111 - 49 - 14 - 8 ; 5.8 gm.
1240	♀	" "	109 - 47 - 14 - 8 ; 5.3 gm.
1241	♂	<i>Neurotrichus gibbsii</i>	120 - 41 - 18 - - ; 13.4 gm.
1242	♂	<i>Aplodontia rufa</i>	320 - 25 - 56 - 20 ; 924 gm.
• 1243		<i>Thomomys</i>	

5 mi. NNE Pt. Reyes Lighthouse, Marin Co., Calif.

1244 *Gerrohonotus*

1245 "

1246 "

1247 "

1248 *Hyla regilla*

1249 " "

1250 " "

July 11

1251	♂	<i>Sorex trowbridgii</i>	115 - 52 - 14 - 9 ; 5.7 gm.
1252	♀	" "	114 - 50 - 14 - 9 ; 5.6 gm.
1253	♂	" "	115 - 51 - 14 - 9 ; 5.2 gm.

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Catalogue

5 mi. NNE Pt. Reyes Lighthouse, Marin Co., Calif.

July 11 (contd)

1254	♂	<i>Sorex</i>	<i>trowbridgii</i>	114-50-13-8; 5.2 gm.
1255	♀	"	"	83 ⁺ -24 ⁺ -14-9; 5.7 gm.
1256	♀	"	"	112-49-13-8; 5.5 gm.
1257	♂	"	"	118-52-15-9; 6.1 gm.
1258	♂	"	"	112-48-13-8; 5.1 gm.
1259	♂	"	"	110-50-13-8; 5.4 gm.
1260	♀	^(2 embryos) <i>Sorex</i>	<i>vagrans</i>	100-40-12-7; 6 gm.
1261	♀	"	"	97-38-12-7; 4.7 gm.
1262	♂	<i>Neurotrichus</i>	<i>gibbsii</i>	115-40-15--; 14.3 gm.
1263	♀	<i>Peromyscus</i>	<i>maniculatus</i>	173-80-22-17; 22 gm.
1264	♀	<i>Microtus</i>	<i>californicus</i>	170-48-21-16; 54.5 gm.
1265	♀	"	"	167-45-21-15; 54 gm.
1266		<i>Gerrohonotus</i>		
1267		<i>Thamnophis</i>		
1268		<i>Batrachoseps</i>		
1269		"		
1270		"		
1271		"		
1272		"		
1273		<i>Hyla</i>		
1274		"		

July 12

1275	♂	<i>Sorex</i>	<i>trowbridgii</i>	121-55-14-9; 5.5 gm.
1276	♂	"	"	120-54-14-9; 5.9 gm.
1277	♂	"	"	115-52-14-9; 5.0 gm.
1278	♂	<i>Reithrodontomys</i>	<i>megalotis</i>	145-74-17-15; 10.3 gm.

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Catalogue

5 mi. NNE Pt. Reyes Lighthouse, Marin Co., Calif.

- | | | | |
|------|---|-------------------------------|--------------------------|
| 1279 | ♀ | <i>Neurotrichus gibbsii</i> | 120-40-16 ; 12.8 gm. |
| 1280 | ♀ | " " | 117-40-17 ; 12.9 gm. |
| 1281 | ♂ | " " | 116-35-17 ; 13.8 gm. |
| 1282 | ♀ | <i>Zapus orarius</i> | 212-125-32-15 ; 18.2 gm. |
| 1283 | ♀ | " " | 206-120-32-14 ; 21.4 gm. |
| 1284 | ♀ | <i>Peromyscus maniculatus</i> | 188-90-21-18 ; 25.3 gm. |
| 1285 | ♂ | <i>Microtus californicus</i> | 167-44-20-15 ; 41.6 gm. |
| 1286 | | | |

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Itinerary

Ludlow, 17 1/2 ft., San Bernardino Co., Calif.

Dec. 20

Yesterday in company with John Davis and Chas. B. Sibley left Berkeley and drove to camp about 15 mi. W Barstow.

This morning motor trouble made it necessary to stop at Ludlow for repairs. In p.m. I hiked about 1 mi. west of town to hill of rough reddish colored volcanic rock partially covered with drifted sand. Set out a line of 80 mouse traps and 3 rat traps in the vicinity of and on the hill, located at edge of railroad tracks. Traps were baited with walnut meats and were set at distances varying from 10 to 30 yds. apart where sign of Dipodomys and Perognathus was noted. The soil (aside from drifted sand and rock) is fairly sandy with small pebbles and rocks forming a pavement-like surface in spots. Vegetation of the vicinity is composed of Larrea divaricata (creosote bush) spaced at 4-10 yd intervals; Atriplex polycarpa? and Graya sp?.

Dec 21

a.m. - Picked up traps. Catch consisted of 11 Dipodomys merriami and 2 Dipodomys deserti (Caught in rat traps buried in sand at entrance to burrow). Shortly after noon

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Itinerary

Dec. 21
(cont'd)

- we continued trip travelling to locality
25 mi. S Needles, 475 ft., San Bernardino Co., Calif.
- Camp was set up shortly before dark
and 80 mouse traps and 2 rat traps were
set out. Trap line started in bottom of wash
and then up side of small rocky hill to
top where Neotoma droppings were present.
Line then continued down hillside again
into wash and back toward camp. Vegetation
of region is mainly Laurea and Opuntia of
2 kinds with some scattered Ocotillo
and Franseria dumosa. A few scattered
Acacia greggii were found along the
washes. Soil in bottom of wash was
gravelly and hill sides were rocky.

Dec. 22

- a.m. - Trap line was taken up. Catch
included 1 Perognathus penicillatus (caught
on rocky hillside) 1 Peromyscus and
1 Neotoma (both caught at top of hill
among broken rocks) and 6 Dipodomys
deserti (caught along bottom of wash
among creosote and Cholla cactus
bushes. After picking up trap-line Davis, Sibley
and I tore up Neotoma nests or "houses"
and caught 6 wood rats. These nests were
all built at the bases of Cholla cactus
or Acacia bushes and consisted of the
branches of the cactus and such stored

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Itinerary

Dec. 22
(contd.)

25 mi. S Needles, 475 ft., San Bernardino Co., Calif.
material as was present. - Food material noted included freshly cut creosote bush, fresh tips of cholla (some of which had been partially eaten) and seed pods of Acacia greggii. Rats were present in 6 out of about 8 or 9 nests torn apart and were easily caught. In some cases actual burrows were present beneath the pile of cholla spines and in some cases were 6 in. (\pm) below the ground surface.

p.m. Camp was broken and we travelled on down thru Blythe to locality at 4 mi. S Palo Verde, 275 ft., Imperial Co., Calif.

Here about 60 mouse traps and 8 rat traps were set out along edges and in bottom of sandy dry wash. Traps were set 8 to 18 yds apart and baited with walnut meats. Sign of Dipodomys merriami and D. deserti was fairly abundant. Vegetation of wash consists of Larrea divaricatum, Palo verde, Ironwood, and Mesquite, some of which is dead and forms "drifts" of sticks and dead limbs.

Dec 23

a.m. Picked up traps which contained 13 D. merriami (caught mainly around base of creosote bushes in bottom of wash), 2 D. deserti (caught at edge of wash)

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Itinerary

Dec 23
(cont'd)

4 mi. S Palo Verde, 275 ft., Imperial Co., Calif.
in fine drifted sand.); 1 Neotoma lepida
was caught near a "house" built about the base
of an ironwood tree. 3 other N. lepida were
caught by tearing apart their houses. The
wood rats build their houses of dead sticks
and branches which are plentiful in the
washes. Houses are built usually in ironwood
or mesquite trees and are placed either on
the ground around the tree trunk or a
few feet (2-5) up in the tree. Those placed
on the ground consistently had burrows
beneath the ground surface while rats
building above ground took refuge in
holes in the tree in or near the nest. In
early p.m. camp was moved to locality at
7 mi. NE Port Yuma, 200 ft., Imperial Co., Calif.

75 mouse traps and 8 rat traps were set
out along canal banks where heavy growths
of bamboo, bermuda grass, and arrowweed.
Traps were baited with walnuts and set at
intervals of about 10 paces.

Dec. 24. (a.m.) Late yesterday evening and during the
night there was moderate rain but
drying wind in early morning dried off
bamboo and grass before 9 a.m. Traps were
inspected and those sprung by snice or rain
were reset. Catch consisted of 4 Sigmodon

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Itinerary

Dec. 24
(contd.)

7 mi N.E. Port Yuma 200 ft. Imperial Co. Calif
hispidus (caught in Bermuda grass near bamboo)
2 Perognathus penicillatus, 6 Mus musculus
and 5 Reithrodontomys.

p.m. - Rain during late morning and early afternoon. - Drove into Yuma for mail and supplies. - On return at 1 mi. E of Bard contacted George Barry, a government employee hired to trap gophers from banks of the irrigation ditches, and from him obtained 16 Thomomys which were wet and bloody and since future prospect of obtaining more from him looks good these were discarded. Barry says he sets out about 75 traps per day and catches 20-40 pocket gophers during 1 day. After supper we looked at 8 rat traps set along canal bank in freshly cut bamboo and obtained 3 Sigmodon from them. - 2 young individuals were taken from the same trap, evidently having been caught simultaneously.

Dec. 25

(a.m.) 6 Sigmodon, 4 Reithrodontomys, 2 Mus were taken in trap line. 1 Thomomys caught in gopher trap set along canal bank. In p.m. a short trip was taken to mine shaft located in dry wash at 3 mi. N Potholes, 250 ft., Imperial Co. Calif. where colony of Macrotis Californicus was present. 70 bats were taken here. Both sexes were

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Itinerary

Dec. 25 (Contd) 3 mi. N Potholes, 250 ft. Imperial Co., Calif.
present at this date. On Jan 14^(?) 1939 there were bats present, but of only one sex. All the bats taken were fat and none of the ♀♀ contained embryos. Trap line at locality 7 mi. NE Fort Yuma, 200 ft., Imperial Co., Calif. was moved farther along canal bank and bats were skinned during the evening.

Dec. 26 a.m. - Trap line was inspected and most of traps were removed. Catch consisted of 4 Sigmodon, 4 Reithrodontomys and 3 Mus and 1 Albert Towhee. In p.m. a line of 70 traps were set out along ditch bank overgrown with Bermuda grass and arrowweed. Traps were set at about 10 yd. intervals in runways of Sigmodon. In the evening Thomomys obtained by George Barry at locality at 1½ mi. NW Bard, 200 ft., Imperial Co., Calif. were skinned.

Dec. 27 a.m. Trap line was inspected and rebaited and left out during day. Catch consisted of 7 Sigmodon, 3 Mus and 4 Reithrodontomys. During afternoon a line of 50 traps was set out along tracky dry wash 2 mi. NW Potholes, 250 ft.; sign appeared old and was not abundant.

Dec. 28 - Last night more Thomomys trapped by George Barry at 1½ mi. NW Bard were prepared as study skins. In a.m. the trap lines at base camp 7 mi. NE

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Itinerary

7 mi. NE Fort Yuma, 200 ft., Imperial Co., Calif.

Dec. 28
(cont'd)

Fort Yuma and at 2 mi. NW of Patholes were taken up. Catch from line 2 mi. NW Patholes contained 1 Neotoma lepida, 1 Dipodomys merriami and 2 Peromyscus. Line at 7 mi. NE Fort Yuma contained 1 Sigmodon (prep. J. Davis) and 3 Reithrodontomys. In p.m. a series of Thomomys trapped by George Barry at 1 mi. N Bard 200 ft. were skinned. 20 mouse traps were set out in arrowweed thickets on alkali flat near camp.

Dec. 29 a.m. - Trap line of 20 traps contained 3 Perognathus penicillatus and 2 Peromyscus maniculatus. During the night a moderately heavy rain fell. In early p.m. 4 Ondatra obtained from J. Retherford, a trapper working along the river bottom, were prepared. In late p.m. and during the night more rain fell making it impossible to set out a trap line.

Dec. 30 a.m. 4 more Ondatra were obtained from the trapper. All of these were taken in line of 40-50 traps at 2 1/2 mi. NE Fort Yuma, 200 ft. Camp was moved in p.m. to locality at 10 mi. SE Fortuna Mine, 300 ft., Yuma Co., Ariz. Camp was set up about dark along the edge of a wash at the base of W side of Gila Mtns. - A line of about 40 traps was set out after dark in the rocks, then thru

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Itinerary

10 mi. SE Fortuna Mine, 300 ft., Yuma Co., Ariz.
the wash and out onto the plain.

Dec. 31 a.m. - Trap line was taken up. Catch consisted of 1 Neotoma (prep. C. Sibley) [taken in rocks], 1 Dipodomys deserti, 6 Dipodomys merriami (Caught out on open creosote bush plain) and 2 Peromyscus caught along base of rocky hill slope. Camp was then moved to locality designated as 16 mi. SE Fortuna Mine, 300 ft., Yuma Co., Ariz.

Camp is located near shallow broad wash 1 \pm mi. E of Butler Mts. In p.m. 75 traps were set out in the rocks at base of these mts. and in sandy country between the mts. and camp. Vegetation is creosote bush association with Ocotillo, cholla and Saguaro cacti spaced at intervals. The Butler mts are light colored granite and rise abruptly from the creosote bush plain.

Jan. 1. a.m. - Trap line was picked up. Catch consisted of 5 Dipodomys deserti, 9 Dipodomys merriami, 1 Peromyscus crinitus and 2 Peromyscus maniculatus?. These were skinned during early p.m. and in later p.m. a line of 75 mouse traps and 6 rat traps were set out mainly with intention of catching D. deserti.

Jan 2. a.m. Trap line was picked up. 7 traps were lost, apparently carried away by D. deserti and

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Itinerary

16 mi. SE Fortuna Mine, 300 ft., Yuma Co., Ariz.

1 rat trap was lost in rocks being carried away by some carnivore. Catch consisted of 13 Lepidomys deserti and 7 Lepidomys merriami. (1 of the deserti caught in a steel trap). Catch was skinned during the day and in p.m. 8 sets were made in fresh pocket gopher workings in small sand dune at the base of the Butler mts.

Jan 3

a.m. Gopher sets were taken up and 1 Thomomys was taken. Camp was then moved. On road out to main highway a stop was made at Fortuna Mine, 700 ft., Yuma Co., Ariz. where 20+ Microtus were taken in an old mine drift.

From here we traveled on to Yuma and then down to the Mexican Boundary at San Luis. Camp was pitched a short distance from the Customs house and 30 mouse traps were set out in sandy soil on creosote bush mesa.

Jan. 4

a.m. Traps were picked up. Catch consisted of 2 L. deserti and 1 L. merriami. During day we went into Yuma for car repairs and then scouted around for camp site near the border. Camp was finally located near the edge of the mesa in the bottomlands of the river at 4 mi. S. Gadsden, 120 ft., Yuma Co., Ariz. In the afternoon a line of 70 mouse traps and 5 rat traps was set out along a ditch bank

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Itinerary.

Jan 4 (cont'd) 4 mi S. Gadsden, 120 ft., Yuma Co., Ariz
overgrown with Bermuda grass and Arrowweed.
The ditch runs thru bottomlands covered
with willow, cottonwoods, mesquite and
tamarisk. In the evening the bats obtained
at Fortuna Mine were skinned.

Jan 5 a.m. Traps were inspected and rebaited
where necessary. Catch consisted of
7 Signodon hispidus, 3 Perognathus
penicillatus, 1 Neotoma albigula and 12
Peromyscus maniculatus. Trap line was
inspected again during late afternoon and
10 more Signodon were taken. Part of
the line was moved further down the
canal and also some traps were set in
waste land at edge of mesquite and
Arrowweed thickets.

Jan 6. a.m. Traps were inspected and rebaited.
Catch consisted of 1 Signodon caught
along canal bank. 5 Peromyscus, 4
Perognathus, 1 Reithrodontomys megalotis
and 1 Onychomys torridus. In p.m. the
line was inspected again and traps reset.
Catch at this time consisted of 1 Perognathus
penicillatus, 3 Signodon and 1 Peromyscus (caught
shortly after dark).

Jan. 7 a.m. Trap line was taken up. Catch consisted of
1 Reithrodontomys, 3 Peromyscus, 4 Perognathus

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Itinerary

4 mi. S Gadsden, 120 ft., Yuma Co., Ariz.

Jan. 7
(cont'd)

2 Neotoma albigula. 1 Ondatra was caught in steel trap set in burrow along canal bank.

A line of 11 gopher traps was set out along canal bank and in alfalfa field. 10 Thomomys were taken during latter part of the day and skinned.

Jan. 8.

a.m. Gopher traps were taken up and reset. 7 Thomomys were taken. Several more gophers were taken during day. 3 steel sets were made along canal bank and in heavy brush along a drainage canal. In the afternoon a line of 60 traps were set on the mesa for Dipodomys.

Jan. 9.

a.m. Trap line (mouse traps) were picked up. Catch consisted of 4 D. deserti and 2 D. merriami. 5 Thomomys were caught in gopher sets. 1 Neotoma and 1 Ondatra were taken in steel traps (the wood rat being caught in an old(?) muskrat burrow).

Jan. 10

Skinned Ondatra trapped by Sibley along canal bank. Camp was moved to California side of the river to Corrego Valley. at 5 mi. NW Corrego P.O., 700 ft., San Diego Co., Calif.
60 traps were set out after dark on sandy alluvial fan. Vegetation is of creosote bush, and Franseria dumosa with some scattered acotillo and Cholla cactus. Trap line was

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Itinerary

Jan 10 5 mi. NW Borrego P. O., 700 ft. San Diego Co., Calif.
by moonlight at 9:30 p.m. and 10 D. merriami
were taken.

Jan. 11 a.m. Traps were picked up and 6 more
D. merriami were taken. In p.m.
70 mouse traps and 5 rat traps were
set out on rocky hillside. Creosote bush
Encelia and Grasseria compose bulk
of vegetation growing among rocks.
8 gopher sets were made along the base
of the hills in fresh workings.

Jan 12. a.m. Traps were picked up. Catch
consisted of 7 Thomomys, 1 Neotoma
lepida, 1 Perognathus penicillatus and
4 Peromyscus (2 crinitis, taken in rocks).
In p.m. 50 traps were set out at
1/2 mi NE Borrego P. O., 500 ft. San Diego Co., Calif.
in and around thickets of mesquite.

Jan 13. a.m. Traps were picked up. 2 Neotoma
albigula, 2 Perognathus penicillatus, 2
Peromyscus maniculatus, and 2 Dipodomys
deserti. Catch was skinned during
day and in p.m. 70 mouse traps and
6 rat traps were set out in mesquite
thickets on slightly drier ground than
last night.

Jan 14 a.m. Trap line was picked up. Catch consisted
of 15 Perognathus penicillatus, 10 Dipodomys

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Itinerary

1/2 mi. NE Borrego P.O., 500 ft. San Diego Co. Calif.

Jan 14
cont.

merriami + 3 Peromyscus. Catch was
skinned during day and camp was
broken in evening.

Jan 15.

- Drove all day, starting at 4 a.m. and
arriving in Berkeley Calif. at 7:30
p.m. (620 miles).

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Itinerary

Murphy's Ranch, 3 1/2 mi. W Pt. Reyes Hill, Marin Co., Calif.

July 8

- In company with Seth Benson and Preston Hendrickson left Berkeley at about 9:30 am. We drove to San Rafael via Richmond & S.R. Ferry and purchased supplies there. From there we drove thru Inverness to Dr. Uttinger's ranch house at crest of Inverness ridge (3 mi. W Inverness) At this time Mr. Uttinger was not in so permission to camp could not be obtained. Consequently we followed the road on down for about 1 mile and turned left (South) on a dirt road leading to Murphy's ranch. This ranch embracing about 10,000 acres while owned by Murphy is leased to a hunting club with headquarters in San Francisco for deer and quail hunting privileges. We made a temporary camp about 500 yds W of the ranch houses in a small canyon at the head of a small inlet of the coastal embayment. The surrounding hills are brush covered with grassland and cultivated pastures adjoining. A small creek flows down the canyon making a boggy sedge filled bottom about 25 yds across and 200 yds in length.

About 80 small snap traps were set out in this creek bottom area in

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1941

Itinerary

Murphy's Ranch, 3 1/2 mi. W of Reyes Hill, Marin Co., Calif.

July 8
(cont'd)

vegetation as follows - Carex sp., Salt grass, a kind of bunch grass, Bromus mollis, and Rumex. 10 or 15 traps were set out on the east facing canyon hillside among vegetation as follows: Bromus sp., Baccharis, Rhus, Pteris aquilina, sword fern and blackberry & thimble berry.

July 9

- a.m. - Trap line was inspected at 6:00 a.m. and traps rebaited: Catch was as follows: 4 Sorex townsendii (caught seemingly at random along the line, one caught on hillside) 2 Microtus californicus (one caught in Salt grass near tide level, the other on wet ground beneath Carex). 1 Reithrodontomys megalotis (caught in Salt grass at high tide level). 1 Sorex vagrans was caught beneath Carex in excavated mole run at 11:30 a.m.. After catch was skinned I went over to N facing sidehill slope about 400 yds SW of Ranch house to look for Aplodontia burrows & signs. 6 traps were set here in thick brush of Baccharis, sword fern, poison oak, thimble berry, blackberry, etc and then Hendrickson who accompanied me returned to camp.

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Itinerary

July 9
(cont'd)

Murphy's Ranch, 3 mi W Pt. Reyes Hill, Marin Co., Calif
for lunch. Returned about 3 p.m.
to inspect traps and set more and
1 Hplodontia was taken (prepared
by P. Hendrickson). Benson, Hendrickson
and I set 13 traps in all at this
place. 2 gopher sets were made
on way back to camp. 30 more
snap traps were set out in boggy
ground in canyon bottom (soil
was wet and soggy here).

July 10

a.m. Trap lines were taken up. Catch was
as follows: In steel sets were taken 2 Sylvilagus
bachmani and 2 Hplodontia (all taken in burrows)
Snap traps contained 1 Sorex vagrans and
2 Sorex townsendii - 1 Neurotrichus was taken
in sedge and bunch grass on boggy wet ground.
1 Thomomys battae was taken in gopher sets.
p.m. Camp was broken and we moved to
5 mi. NNE Pt. Reyes Lighthouse, Marin Co., Calif.
which is grassy rolling hill country
at edge of ocean. Sand dunes covered
with lupine, grass and various fleshy
plants extend a short distance back from
the shore and the hills are covered
with bunch grass, Laret and grass.
120 snap traps and 2 gopher sets were
placed so as to sample the various habitats.

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Itinerary

5 mi. NNE Pt Reyes Lighthouse, Marin Co., Calif.

July 10
contd.

4 Gerrhonotus were caught plus 3 Hyla while traps were being set out.

July 11

a.m. Trap line was inspected and some of the traps were reset in Carex, bunch grass and blackberry thickets. Others were left where the catch was best. Catch in these 120 traps was as follows:
11 Peromyscus maniculatus, 10 Sorex ^{vagrans} trowbridgii, 2 Sorex ~~arvatus~~ (one contained 2 embryos (8 mm.)). 2 Microtus californicus were taken in grassy wet area beside small seepage. In resetting above traps 3 Microtus and 1 Sorex trowbridgii were taken during the day. Also collected while setting traps were: 1 Thomomys (in sedge) 1 Gerrhonotus (beneath board in meadow) and several Batrachoseps (taken 4-6 inches below ground in wet sand on side of cut bank). 1 Thomomys was caught in gopher set. Trap line as of this p.m. consists now of 1 gopher set, 1 mole set, and 120 snap traps in sedge, bunch-grass and blackberry bush meadow.

